

102 33. (New). A wrench including:

a first jaw member having a first gripping portion and a first leverage portion spaced from said first gripping portion;

a second jaw member having a second gripping portion for gripping and a second leverage portion spaced from said second gripping portion;

said first and second gripping portions being co-operable with one another for gripping an article to be rotated about a work axis;

a handle operatively connected to the first leverage portion for pivotally moving said first jaw member about a leverage axis parallel to said work axis;

61 a cam operatively associated with said handle and co-operable with an abutment face on said second leverage portion for urging said first and second leverage portions apart; and

a connector connecting said first and second jaw members to one another and holding them in opposed disposition, said connector being operatively connected to each jaw member at a location interposed between said respective opposed gripping portions and said opposed leverage portions and being arranged to allow pivoting of one of said jaw members relative to the other, said connector being adjustable to vary the distance between said gripping portions to thereby apply a gripping force to different sized articles.

AL 34. (New) A wrench including:  
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a first jaw member having a first gripping portion and a first leverage portion spaced from said gripping portion;

<sup>1 2</sup>  
a second jaw member having a second gripping portion for gripping and a second leverage portion spaced from said second gripping portion;

said first and second gripping portions being co-operable with one another for gripping an article to be rotated about a work axis;

<sup>2 3</sup>  
a first handle connected to said first leverage portion of said first jaw member for pivoting movement relative thereto about a leverage axis parallel to said work axis;

<sup>2 1</sup>  
a cam operatively associated with said handle and co-operable with an abutment face on said second leverage portion for urging said first and second leverage portions apart;

<sup>2 9</sup>  
a second handle in fixed relationship to and extending from said second leverage portion of said second jaw member; and

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a connector connecting said first and second jaw members to one another and holding them in opposed disposition, said connector being operatively connected to each jaw member at a location interposed between said respective opposed gripping portions and said opposed leverage portions and being arranged to allow pivoting of one of said jaw members against the other, said connector being adjustable in length to vary the distance between the gripping portions to thereby apply a gripping force to different sized articles.

35. (New) The wrench according to claim 34, wherein said handles are located in the plane of rotation about the work axis.

36. (New) The wrench according to claim 34, wherein said first handle pivotally attached to said first jaw member is pivotable toward said second handle to tighten the grip of said gripping portions and away from said second handle to loosen the grip of said gripping portions.

37. (New) The wrench according to claim 34, wherein said connector is in pivotal engagement with at least one of said jaw members.

38. (New) The wrench according to claim 34, wherein the length of said connector is adjustable.

39. (New) The wrench according to claim 34, wherein said connector is in the form of a length-adjustable nut and bolt assembly.

40. (New) The wrench according to claim 39, wherein said nut is in the form of a cylindrical pin having a diametral bore for receiving a length-adjustable bolt comprising a sleeve and a screw in threaded engagement with a threaded bore extending axially into said sleeve.

41. (New) The wrench according to claim 39, wherein said nut and bolt assembly is pivotally connected to said first jaw member and said second jaw member includes a passage for accommodating the length-adjustable bolt and permitting relative limited pivoting movement of said length-adjustable bolt in said passage.

42. (New) A wrench according to claim 41, wherein said passage is formed as a tapered bore, said bore tapering outwardly towards said first jaw member.

43. (New) The wrench according to claim 40, wherein said screw has a head held captive in a head retaining-cavity provided in said second jaw member, and said head has a portion of its perimeter exposed on one or both sides of said second jaw member for manual rotation.

44. (New) The wrench according to claim 34 that further comprises a biasing spring operatively connecting said jaw members for biasing said jaw members towards one another.

45. (New) The wrench according to claim 34 wherein said cam is in fixed relationship with said first handle and co-operable with an abutment surface on said second leverage portion of said second jaw member for urging said first and second leverage portions apart.

46. (New) The wrench according to claim 45, wherein said cam is located proximate to the pivotal connection of said first handle to said first jaw member and is wedge-shaped along a curved axis to provide an inner curved face which is coaxial with said leverage axis.

47. (New) The wrench according to claim 33, wherein the handle is pivotable with respect to said first jaw member in said plane of rotation about said work axis.

48. (New) The wrench according to claim 33, wherein said connector is in pivotal engagement with at least one jaw member.

49. (New) The wrench according to claim 33, wherein the length of said connector is adjustable.

50. (New) The wrench according to claim 33, wherein said connector is in the form of a length-adjustable nut and bolt assembly.

51. (New) The wrench according to claim 50, wherein said nut is in the form of a cylindrical pin having a diametral bore for receiving a length-adjustable bolt comprising a sleeve and a screw in threaded engagement with a threaded bore extending axially into said sleeve.

52. (New) The wrench according to claim 50, wherein said nut and bolt assembly is pivotally connected to said first jaw member and said second jaw member includes a passage for accommodating said length-adjustable bolt and permitting relative limited pivoting movement of said length adjustable bolt in said passage.

53. (New) The wrench according to claim 50, wherein said passage is formed as a tapered bore said bore tapering outwardly towards said first jaw member.

54. (New) The wrench according to claim 50, wherein said screw has a head held captive in a head retaining-cavity provided in said second jaw member, and said head has a portion of its perimeter exposed on one or both sides of said second jaw member for manual rotation.

55. (New) The wrench according to claim 33, that further comprises a biasing spring operatively connecting said jaw members for biasing said jaw members towards one another.

b/ 56. (New) The wrench according to claim 33, wherein said cam is in fixed relationship with said first handle and co-operable with an abutment surface on said second leverage portion of said second jaw member for urging said first and second leverage portions apart.

57. (New) The wrench according to claim 56, wherein said cam is located close to the pivotal connection of said first handle to said first jaw member and is wedge shaped along a curved axis to provide an inner curved face which is coaxial with said leverage axis.

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